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ANTIFOULING COATING COMPOSITION

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Abstract

PROBLEM TO BE SOLVED: To obtain an antifouling coating composition capable of keeping the antifouling performance over a long period by the slow dissolution of the coating film in seawater after forming a coating film by adding a carboxy- containing monobasic acid to an antifouling coating material composed of specific components.

SOLUTION: This antifouling coating composition contains (A) a copolymer of (i) one or more kinds of monomers expressed by the formula (R1 is H or CH3 ; R2 to R4 are each 1-18C alkyl, a cycloalkyl or an aryl) and (ii) one or more kinds of other ethylenic unsaturated monomers copolymerizable with the component (i), (B) a monobasic acid containing carboxy group and (C) a metal-containing antifouling agent. The amount of the component (i) is preferably 5-80 wt. % of the total monomer of the component A and the weight- average molecular weight of the component A is preferably 1,000-100,000. The ratio of the total number of carboxy groups bonded with triorganosilyl groups in the component A to the total number of carboxy groups in the component B is preferably 0.3-3.0.

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